



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi / Affiliated to Anna University, Chennai / Accredited by NAAC)

NEWS LETTER
(JULY To DECEMBER 2020)

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

About the Department ...

The Department of Electronics and Communication Engineering was established in the year 2011 with an intake of 60 undergraduate students. Since then, the department has come a long way and is now regarded as one of the premiere departments of the institution with an intake of 120 undergraduate students and 18 post graduate students per year.

It is equipped with outstanding infrastructure and boasts of a unit of 21 young and dynamic faculty members and sincere staff who work with zeal and enthusiasm to provide a vibrant and optimum learning environment to the students and help them acquire the skills which are required to excel in today's competitive environment.

The Department has four recognized research guides under Anna University, Chennai. At present ten internal research candidates and two external research candidates are pursuing their PhD program under the Department of Electronics and Communication Engineering. The department believes in serious academic pursuit and encourages radical and original thinking which paves the way for creativity and innovative ideas. The qualities inculcated into the students make them not only good engineers but good human beings also. The excellent placement record which has been consistently above 80 % for the past several years, alone of our students is ample testimony to the emphasis that has been placed on the industrial needs of our country.

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EXECUTIVE COMMITTEE

Convenors

Dr.D.Senthil Kumaran
Principal

Dr. S.KARTHIGAI LAKSHMI
Professor & Head.

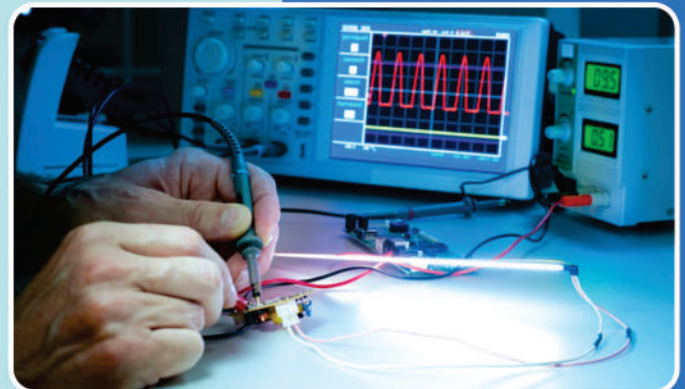
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Vision :

To empower students with essential skills in engineering by imparting in-depth conceptual knowledge in Electronics and Communication Engineering domain to meet technological excellence, professional commitment, and social responsibility.

Mission :

- To equip students with current trends and latest technologies in the field of Electronics and Communication Engineering through innovation in learning, research, and state of the art laboratories.
- To establish a conducive environment for the students to develop professionalism, leadership qualities, and entrepreneurial skills with high ethical standards for self and social development.
- To equip students to provide appropriate solutions with their conceptual knowledge to address societal needs.

FUNCTIONS

S.NO	ACTIVITY	DATE	NAME OF THE FACULTY (CO-ORDINATOR)	CHIEF GUEST /RESOURCE PERSON/CHAIR PERSON
1	National E Conference on Research Trends in Communication and Information Technologies (NCRTCIT-20)	19/08/20	Dr. C. Sujatha, AsP/ECE, Mr. M. Manikandan, AP/ECE, Mr. V.P. JayFantin, AP/ECE, Mr. S. Dhamodharan, AP/ECE	Dr. S. Karthigai Lakshmi Prof & Head/ ECE/SSMIET

INTRA DEPARTMENTAL SYMPOSIUM:

S.NO	DATE OF THE EVENT	NAME OF THE EVENT	NAME OF THE FACULTY (CO-ORDINATOR)	NUMBER OF PARTICIPANTS/ ORGANISER DETAILS
1	29/07/2020	Paper Presentation for "Recent trends in Electronics"	Mrs.Parameswari A, Mrs..M.Jeyalakshmi	12
2	10/10/2020	Webinar on "Breast Cancer Awareness"	Mrs.A.Geetha, Dr.G.Mohanbabu	70
3	12/10/2020	Webinar on "How to upgrade our cognitive skills"	Mrs.A.Geetha	100
4	28/10/2020	Webinar on "opportunities and avenues for female entrepreneurs"	Mrs.A.Geetha	50

CO-CURRICULAR ACTIVITIES

TECHNICAL EVENTS

S.NO	NAME OF THE STUDENT	TITLE OF THE EVENT	DATE	NAME OF THE ORGANIZING INSTITUTE	AWARDS
1	Nivetha R S	Online Quiz on National Education Policy	27/09/2020	PSNA College of Engg and Tech, Dindigul	Participated
2	Sangeetha K	National Level E Quiz – Master Quiz	16/10/2020	Sakthi College of Arts and Science for Women, Oddanchatram.	Participated
3	Nivetha R S	National Level E Quiz – Master Quiz	16/10/2020	Sakthi College of Arts and Science for Women, Oddanchatram.	Participated
4	Haridharshini T R	Paper presentation	29/10/2020	New Prince Sri Bhavani College of Engineering and Technology	Participated

WORKSHOP/SEMINARS

S.No	Name of the student	Title of the Event	Date	Name of the Organizing Institute
1.	Saathanna G P	Webinar on IOT with RASPBERRY PI	04/07/2020	Vidhya Jothi Institute of Technology, Hyderabad.
2.	Saathanna G P	One week National workshop on AI and ML	13/07/2020 to 18/07/2020	Chalapathi Institute of Engineering and Technology, Andhra Pradesh.
3.	Saathanna G P	Webinar on Person Identifier Using Python and Open CV	14/07/2020	Andhra Loyola Institute of Engineering and Technology, Andhra Pradesh
4.	Sajitha V	Foundation course in quantitative aptitude	29/07/2020 05/08/2020	IETE, Nagpur Centre
5.	Shivani S A	Foundation course in quantitative aptitude	29/07/2020 05/08/2020	IETE, Nagpur Centre
6.	Soundharya V	Foundation course in quantitative aptitude	29/07/2020 05/08/2020	IETE, Nagpur Centre
7.	Saathanna G P	Foundation course in quantitative aptitude	29/07/2020 05/08/2020	IETE, Nagpur Centre
8.	Soundharya V	Webinar on NAAC Revised Accreditation Guidelines and Role of IQAC in post COVID Era	06/08/2020	St. Vincent Palloti College of Engineering and Technology, Nagpur

PATENT PUBLISHED:

S.No	Name of the Faculty	Patent Title	Patent Details
1	Mr.R.Senthilkumar, AP/ECE	IOT BASED SMART WEARABLE CHILD AND WOMEN SAFETY DEVICE	Application No.202041049152 A Publication Date : 13/11/2020
2	Dr.K.Rajesh, AP/ECE	IOT BASED PROACTIVE SURVEILLANCE TO IDENTIFY REAL TIME THEFT	Application No.202041047140 A Publication Date : 06/11/2020

JOURNAL PUBLICATIONS:

S.No	Title of paper	Name of the author/s	Department of the Teacher	Name of Journal	Year of Publication	ISBN/ISSN number
1	An efficient noise immune image edge segmentation algorithm in wavelet domain	Dr.S.Karthigai Lakshmi Dr. C.Sujatha Mrs. G. Saranya	Electronics and Communication Engineering	Mukt Shabd Journal	2020	ISSN NO : 2347-3150
2	Detection of Epileptic Seizure Based on EEG Signals Using Ensemble And LSTM Approach	Dr. C.Sujatha	Electronics and Communication Engineering	Journal of Scientific Research in Engineering and Management	2020	ISSN : 2582-3930, 2020.
3	An optimized Deep learning network model for EEG based seizure classification using synchronization and connectivity measures	Dr. G Mohanbabu, Mr.S.R.Ashokkumar	Electronics and Communication Engineering	Journal of Ambient intelligence and Humanized computing	2020	ISSN: 1868-5145
	A Survey of Computer-aided diagnosis of MRI Based Brain Tumor Detection and Classification	Dr. G Mohanbabu Mr.V.Jeevanantham	Electronics and Communication Engineering	Wutan Huatan Jisuan Jishu	2020	ISSN: 1001-1749
	Detection and diagnosis of brain tumors-framework using extreme machine learning and CANFIS classification Igorithms	Dr. G Mohanbabu Mr.V.Jeevanantham	Electronics and Communication Engineering	International Journal of Imaging Syst Technology	Aug-20	10.1002/ima.22479
4	Fusion of Different Medical Sensor Using Local Laplacian Pyramid Transform	Dr.K.Rajesh	Electronics and Communication Engineering	International Research Journal of Engineering and Technology	2020	e-ISSN: 2395-0056 p-ISSN: 2395-0072
	Stack Based Configurable Logic Gates Technology for IP Cores					
5	Fake News Detection using Deep Learning	Mrs.M.Jeyalakshmi	Electronics and Communication Engineering	International Research Journal of Engineering and Technology	2020	e-ISSN: 2395-0056 p-ISSN: 2395-0073
	An CNNS Based Robust IRIS Segmentation			Juni Khyat		
	Efficient majority logic subtractor design using multilayer crossover in quantum-dot cellular automata	Mrs.M.Jeyalakshmi	Electronics and Communication Engineering	Journal of Nanophotonics	2020	doi.org/10.1117/1.JNP.14.036011
6	Design of Compact UWB antenna for the Detection of Breast Cancer Tumor	Mr. S. Dhamodharan Dr. G Mohanbabu	Electronics and Communication Engineering	International Journal of Advanced Science and Technology	2020	ISSN: 2207-6360
7	Application of Semantic Segmentation networking based segmentation and googlenet CNN for MRI images of Brain tumour	Mr.R.Carol Praveen	Electronics and Communication Engineering	Journal of Critical Reviews	2020	ISSN: 2394-5125
8	DLDM: Deep learning-based defense mechanism for denial of service attacks in wireless sensor networks	Mr.M.Premkumar	Electronics and Communication Engineering	Microprocessors and Microsystems	2020	ISSN: 0141-9331
	AN Efficient Distributed Denial of Service Attack Detection Approach based on set of Classification Algorithms using Spark	Mr.M.Premkumar	Electronics and Communication Engineering	Journal of Critical Reviews	2020	ISSN: 2394-5125
9	A Novel Approach Based on Eigen Vector Methods and Hybrid BOA-SVM optimization Techniques for the Classification of Epileptic Seizure	Mr.M.Premkumar, Dr.G.Mohanbabu, Mr.S.R.Ashokkumar, Mr.V.Jeevanantham	Electronics and Communication Engineering	Solid State Technology	2020	ISSN: 0038-111X
10	Investigation of AODV and DSR directing convention in remote systems	Mrs. PARAMESWARI. A	Electronics and Communication Engineering	International Journal of Advanced Research Trends in Engineering a Technology	2020	ISSN: 2394-3785



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